

Application No.: 09/704179

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Docket No.: SMQ-038/P5129

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for displaying messages on a display device, said messages originating from a plurality of networked electronic devices ~~interfaced with~~ communicating with the display device over a network, said method comprising the steps of:

providing a protocol to enable ~~multiple a plurality of~~ networked devices to send messages to a display device;

registering a selected one of the plurality of networked electronic devices with said display device, prior to said display device displaying any messages from the selected networked electronic devices; and

~~enabling said display device to receive said messages; and~~

creating a separate priority message queue created on said display device for each networked electronic device registered with the display device, each priority message queue having a priority level assigned to it based on the identity of the registered networked electronic device, each display message received by the display device from a registered networked electronic device being placed in the priority message queue that is assigned to said networked electronic device.

~~enabling said display device to prioritize the display of received messages.~~

2. (Original) The method of claim 1 wherein the network is an Internet Protocol (IP) based network.

3. (Cancelled)

4. (Currently Amended) The method of claim 3-1 wherein a plurality of networked electronic devices register with said display device.

5. (Currently Amended) The method of claim 3-1 wherein said registering further comprises:
sending to the display device a text string representing a device name for the selected networked electronic device.

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6. (Currently Amended) The method of claim 3-1 wherein said method further comprises the step of:

sending to the display device a graphical image representing the selected networked electronic device.

7. (Currently Amended) The method of claim 4-1, said method comprising the additional steps of:

~~creating a separate priority message queue on the display device for each networked electronic device that is registered with the display device;~~

~~assigning a priority level to each priority message queue;~~

receiving a display message at the display device from a given one of the networked electronic devices; and

placing the received display message in the priority message queue for the given networked electronic device.

8. (Original) The method of claim 7 wherein said received display message in the message queue for the given networked electronic device contains text.

9. (Original) The method of claim 7 wherein said received display message in the message queue for the given networked electronic device contains a graphical image.

10. (Original) The method of claim 7 wherein said received display message in the message queue for the given networked electronic device contains both text and a graphical image.

11. (Original) The method of claim 7, said method comprising the additional steps of:

providing a priority level for each display message sent from the given networked electronic device to the display device; and

creating a unique message ID identifying each message placed in said priority message queue of said given networked electronic device.

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12. (Original) The method of claim 11, said method comprising the additional steps of:
selecting a highest priority message queue among the priority message queues, said priority message queue containing at least one message;
selecting from within said highest priority message queue a message with the highest message priority level; and
displaying said selected message on said display device.
13. (Original) The method of claim 7, said method comprising the additional step of:
sending a request to said display device from a registered networked electronic device that is registered with the display device to remove a message from the priority message queue of said registered networked electronic device.
14. (Original) The method of claim 7, said method comprising the additional step of:
sending a list of Message IDs appearing in a priority message queue from said display device to a particular networked electronic device registered with said display device in response to a request from said particular networked electronic device.
15. (Original) The method of claim 7, said method comprising the additional step of:
sending a status message providing a current status of a message in a priority message queue from said display device to a registered networked electronic device registered with said display device in response to a request from said registered networked electronic device.
16. (Original) The method of claim 7, said method comprising the additional step of:
including display instructions as part of the display message sent to said display device by the given networked electronic device registered with said display device.
17. (Original) The method of claim 7, said method comprising the additional step of:
unregistering said given networked electronic device registered with said display device.
18. (Currently Amended) The method of claim 1 wherein said messages are written using the ~~using the~~ extensible markup language (XML).

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19. (Currently Amended) A method for displaying messages on a display device, said messages originating from a plurality of networked electronic devices, said networked electronic devices interfaced with a network located in a motor vehicle, said method comprising the steps of:

providing a protocol to enable multiple networked devices to send messages to a display device;

registering a selected one of the plurality of networked electronic devices with said display device prior to said display device displaying any messages from the selected networked electronic devices; and

creating a separate priority message queue created on said display device for each networked electronic device registered with the display device, each priority message queue having a priority level assigned to it based on the identity of the registered networked electronic device, each display message received by the display device from a registered networked electronic device being placed in the priority message queue that is assigned to said networked electronic device.

~~enabling said display device to receive said messages; and~~

~~enabling said display device to prioritize the display of said received messages.~~

20. (Currently Amended) The method of claim 19 wherein said method further comprises the step of:

~~registering a selected one of said networked electronic devices with said display device, prior to said display device displaying any messages from said selected networked electronic device, and~~

sending a text string representing a device name to the display device from the selected networked electronic device as part of said registration.

21. (Currently Amended) The method of claim ~~20~~ 19 wherein said method further comprises the step of:

sending to the display device a graphical image representing the selected networked electronic device.

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22. (Original) The method of claim 20 wherein a plurality of networked electronic devices register with said display device.

23. (Currently Amended) The method of claim ~~20~~19, said method comprising the additional steps of:

~~creating a separate priority message queue on the display device for each networked electronic device that is registered with the display device;~~

~~assigning a priority level to each priority message queue;~~

receiving a display message at the display device from a given one of the networked electronic devices; and

placing the received display message in the priority message queue for the given networked electronic device.

24. (Original) The method of claim 23 wherein said received display message in the message queue for the given networked electronic device contains text.

25. (Original) The method of claim 23 wherein said received display message in the message queue for the given networked electronic device contains a graphical image.

26. (Original) The method of claim 23 wherein said received display message in the message queue for the given networked electronic device contains both text and a graphical image.

27. (Original) The method of claim 23, said method comprising the additional steps of:

providing a priority level for each display message sent from the given networked electronic device to the display device; and

creating a unique message ID identifying each message placed in said priority message queue of said given networked electronic device.

28. (Original) The method of claim 27, said method comprising the additional steps of:

selecting a highest priority message queue among the priority message queues, said priority message queue containing at least one message;

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selecting from within said highest priority message queue a message with the highest message priority level; and

displaying said selected message on said display device.

29. (Original) The method of claim 23, said method comprising the additional step of:

sending a request to said display device from a registered networked electronic device that is registered with the display device to remove a message from the priority message queue of said registered networked electronic device.

30. (Original) The method of claim 23, said method comprising the additional step of:

sending a list of Message Ids appearing in a priority message queue from said display device to a particular networked electronic device registered with said display device in response to a request from said particular networked electronic device.

31. (Original) The method of claim 23, said method comprising the additional step of:

sending a status message providing a current status of a message in a priority message queue from said display device to a registered networked electronic device registered with said display device in response to a request from said registered networked electronic device.

32. (Original) The method of claim 23, said method comprising the additional step of:

including display instructions as part of the display message sent to said display device by the given networked electronic device registered with said display device.

33. (Original) The method of claim 23, said method comprising the additional step of:

unregistering said given networked electronic device registered with said display device.

34. (Currently Amended) The method of claim 19 wherein said messages are written using the using the extensible markup language (XML).

35. (Currently Amended) A computer-readable medium for use with a display device with a network interface, said computer-readable medium holding computer— executable instructions for a method, said method-instructions comprising the steps of:

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providing a protocol to enable ~~multiple~~ a plurality of networked devices to send messages to a display device, and

registering a selected one of the plurality of networked electronic devices with said display device, prior to said display device displaying any messages from the selected networked electronic devices; and

creating a separate priority message queue created on said display device for each networked electronic device registered with the display device, each priority message queue having a priority level assigned to it based on the identity of the registered networked electronic device, each display message received by the display device from a registered networked electronic device being placed in the priority message queue that is assigned to said networked electronic device.

~~enabling said display device to receive said messages; and~~

~~enabling said display device to prioritize the display of received messages.~~

36. (Original) The medium of claim 35 wherein said network is an Internet Protocol (IP) based network.